

FIGURE 1

SEQ ID NO:26
SEQ ID NO:30
SEQ ID NO:33

AREANAGLVAGSSYKRNELVRIRHDSGGQPKPKEANGQICQICGDTVGKSATGDTFVAC
-----MDGADADAL-KSGRHAGDVCQICADGLGTTLDGDVFTAC
-----MESEGETAGKPMKNTIVPQTCQICSDNVGKTVGDGRFVAC

1

NECGFFVCRPCYEYERKDGNNQCCPQOCKTRYKRQKGSPRVEGDEEEVDLLEN-EFNYSG
DVCRFPVCRPCYEHERKEGTQACLQCKTRYKRRHGSPAIRGEEGDDTDADDGS-DFNYPA
DICSFVCRPCYEYERKDGNNQSCPQOCKTRYKRLKGSPAIPGDKDEGLADEGTVFNYP-
120

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SEQ ID NO:26
SEQ ID NO:30
SEQ ID NO:33

KGKNOK--KVTTARRPWO---GDDQDIELS-----VSSSRHDESQQP---VPLLTHGHS
SGTEDQOKIAIDMRSPWRMNTGGSGNVGHPKYDSGEIGLSKYDSGEIPRGYVPSVTNSQ-
-----QKEKISERMLGWHLTRGKGEEMGEPOYDK-----EVSHNHLPRLTSRQD
121

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SEQ ID NO:26
SEQ ID NO:30
SEQ ID NO:33

VSGEIPTPDNHSIRTTSGPTEKSIPIYIDPRQPVAVRIIVDPSKDLNSYGLGNVDWKE
MSGEIPGASPD--HHMMSPTGNISRRAPFPY-VNHSPNPNPSREFSG-----SIGNVAWKE
TSGEEFSAASPE--RLSVSSTSIIAGGKRLPYSSDVNQSPNRRIVDPV-----GLGNVAWKE
181

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SEQ ID NO:26
SEQ ID NO:30
SEQ ID NO:33

RVEGWKLKQEKNMVQMTS---RYPEGKGDTEGTGSNG--EELQMAADDIROPMSRIVPI
RVDGWMKQDKGAIPTNGTSIAPSEGRAATDIDASTEYNMEDALLNDETRQPLSRKVPI
RVDGWMKQEKNTGPV---STQAASERGGVDIDASTDILADEALLNDEARQPLSRKVSI
241

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FIGURE 1 CONTINUED

SEQ ID NO: 26	SSTHLTPYRVVILRLILIGFFLQYRCTHPVKDAYPLWLTSVICEVWEALSWLILDQFPKW	301
SEQ ID NO: 30	ASSKINPYRMVIVLRLVVLISIFLHYRLTNPVRNAYPLWLLSVICEIWFAWSWILDQFPKW	
SEQ ID NO: 33	PSSRINPYRMVIMLRLVILCLFLHYRITNPVPNAFAFLWLSERVICEIWFAWSWILDQFPKW	360
SEQ ID NO: 26	SPVNRETYLDRLSMRFDREGEPSQLAPIDVVFVSTVDPLKEPPLVTANTVLSILAVDYPVD	361
SEQ ID NO: 30	FPINRETYLDRLALRYDREGEPSQLAAVDFVSTVDPLKEPPIVTANTVLSILAVDYPVD	
SEQ ID NO: 33	FPVNRETYLDRLALRYDREGEPSQLAAVDFVSTVDPLKEPPLVTANTVLSILAVDYPVD	420
SEQ ID NO: 26	KVSCYYSDGSAMLTFEALSETAEFAKKWAPFCKKSIEPRAPEFYFAQKIDYLKDKVQP	421
SEQ ID NO: 30	KVSCYYSDDGASMLTDFALAEETSEFARKWVPEVKYDIEPRAPEFYFCQKIDYLKDKVQP	
SEQ ID NO: 33	KVSCYYFDGAAMLSFEISLAETSEFARKWVPFCKKYSIEPRAPEWYFAAKIDYLKDKVQP	480
SEQ ID NO: 26	SEVKERRAMKREYEEFKVINALVAKAQKVPEEGWTMQDGTPWPNGNSRDHPGMIQVFLG	481
SEQ ID NO: 30	SFVKDRRAMKREYEEFKIRINALVSKALKVPEEGWIMQDGTPWPNGNNTRDHHPGMIQVFLG	
SEQ ID NO: 33	SFVKDRRAMKREYEEFKIRINALVSKALKCPEEGWVMQDGTPWPNGNTGDHPGMIQVFLG	540
SEQ ID NO: 26	HSGGFDTEGNELLPRIVYVSREKRPGFQHHKKAGAMNALIRVSAVLTNGAYLLNVDCDHYF	541
SEQ ID NO: 30	HSGGLDTEGNELLPRIVYVSREKRPGFQHHKKAGAMNALVRLNGQYMLNLDCDHYI	
SEQ ID NO: 33	QNGGLDAEGNELLPRIVYVSREKRPGFQHHKKAGAMNALVRLNGPFLILNLCDHYI	600

FIGURE 1 CONTINUED

SEQ ID NO:26
SEQ ID NO:30
SEQ ID NO:33

SEQ ID NO: 26
SEQ ID NO: 30
SEQ ID NO: 33

PVYVGTCFCNRQALYGYDPVLTEDLEPNIIKSCCGSRKKGKGNKKYIDKNRALKRT
PVYVGTCVFNRTAIYGYEPPIKAK-KPGFLASILCGGKKASKS-KKRSSDKKSNKHV
PVYVGTCVFNRTALIYGYEPPIKVKHKKPSSLSKLCGGSRKKNK-AKKESDKKSGRHT

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ESTAPIENMEDIEEGIE--GYDDERSELMAQ-SYEKREGQSPLVIAATFMEQGGLPPSTNDSSVPVENLEDIEEGVEGAGFDEKSVLMSQMSLEKRGQSAAFVASTLMEYGGVPOSSTDSTVVPVNLDIEEGVEGAGFDEKALLMSQMSLEKRGQSAAVFASTLMENGVPPSAT

SEQ ID NO: 26
SEQ ID NO: 30
SEQ ID NO: 33

SATLLKEAIHVISCGYEDKTEWIGKEIGWIYIGSVTEDILTGKFMHTRGWISIYCMPPRPAF
 PESLLKEAIHVISCGYEDKSEWIGTEIGWIYIGSVTEDILTGKFMHARGWRSVYCMPKRPAF
 PENLLKEAIHVISCGYEDKSDWGMEIGWIYIGSVTEDILTGKFMHARGWRSIYCMPKLPAF

SEQ ID NO: 26
SEQ ID NO: 30
SEQ ID NO: 33

KG\$APIN\$DRLNQVLRWALGSIEILLSRHCPIWYGYSGRLKFLERLAYINTIVYPLTSI
KG\$APIN\$DRLNQVLRWALGSVEILFSRHCPLWGYGGRLKFLERFAYINTTIVYPLTSI
KG\$APIN\$DRLNQVLRWALGSVEILFSRHCPIWYGYNGRLKFLERFAYVNTTIVYPLTSI

FIGURE 1 CONTINUED

SEQ	ID NO: 26	PLLAYCTLPAICLTLGKFIIVPEISNYASIWFILLFVSIESTGILLELRSGVTLEDWWRNE	*****
SEQ	ID NO: 30	PLLVYCILPAICLTLGKFIIMPEISNLASIWFIALFLSIFATGILEMRWSGVGIDEWWRNE	*****
SEQ	ID NO: 33	PLLMYCTLLAVCLFTNQFIFIQISNIASIWEISLFLSIFATGILEMRWSGVGIDEWWRNE	*****
	960		*****

SEQ	ID NO: 26	QFWVIGGTSAAHLFAVFQGLLKVLAGIDTNFTVTSKASDEDGDFAEELYVFKWTSLLIPIPTT	*****
SEQ	ID NO: 30	QFWVIGGTSAAHLFAVFQGLLKVLAGIDTNFTVTSKANDEEGDFAEELYMFKWTLLIPIPTT	*****
SEQ	ID NO: 33	QFWVIGGVSAAHLFAVFQGLLKVLAGIDTNFTVTSKASDEDGDFAEELYLFKWTLLIPIPTT	*****
	961		*****

SEQ	ID NO: 26	ILVVNNMVGIVAGVSFAINSGYQSWGPLFGRILFFAIWVIVHLYPFLKGILLGRQNRTPTIVI	*****
SEQ	ID NO: 30	ILLINMVGVAGTSYAINSGYQSWGPLFEGKLEFAFWVIVHLYPFLKGGLMGRQNRTPTIVI	*****
SEQ	ID NO: 33	LLIVNLVGVVAGVSYAINSGYQSWGPLFEGKLEFAFWVIVHLYPFLKGGLMGRQNRTPTIVI	*****
	1021		*****

SEQ	ID NO: 26	VWSVLLIASIFSLLWVRIDPFTSDSTKAR-GQCGIDC	*****
SEQ	ID NO: 30	VWAVLLIASIFSLLWVRVDPFTTRLAGPNIQTCGINC	*****
SEQ	ID NO: 33	VWSVLLIASIFSLLWVRIDPFTSRVTGPDILECGINC	*****
	1081		*****

SEQ	ID NO: 26	4/4	*****
SEQ	ID NO: 30		*****
SEQ	ID NO: 33		*****
	1116		*****